



PERSONAL INFORMATION:

Full Name: Mojtaba Barani Motlagh

Nationality: Iranian

Academic Level: Associate Professor

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EDUCATION:

Isfahan University of Technology

Isfahan, Iran

B.Sc. in Soil Science

University of Tehran

Karaj, Iran

M.Sc. in Soil Science (Soil Chemistry, Fertility and Plant Nutrition)

Thesis Title "The investigation of different forms of potassium and its depletion from soils under sugarcane in Khuzestan province"

University of Tehran

Karaj, Iran

Ph.D. student in Soil Science (Soil Chemistry, Fertility and Plant Nutrition)

Thesis Title "Kinetics of Iron release from different soils of Iran and relation of kinetic parameters to soil properties and uptake of Iron by sorghum and soybean"

RESEARCH INTEREST:

Soil chemistry, Soil pollution, Soil Fertility, Plant nutrition, Salt affected soils

PUBLICATION:

- **M. Barani Motlagh**. 2012. Kinetics and mechanism of copper release from selected agricultural calcareous soils of northern Iran. *Soil Research*, 50, 312–319. <http://dx.doi.org/10.1071/SR12008>.
- **M. Barani Motlagh** and M. Gholami. 2013. Time-Dependent Zinc Desorption in Some Calcareous Soils of Iran. *Pedosphere*. 23(2): 185-193 .
- Somayeh Sefidgar Shahkolaie, **Mojtaba Baranimotlagh**, Esmael Dordipour and Farhad Khormali. 2020. Effect of inorganic and organic amendments on physiological indices and antioxidant enzyme activities of *Zea mays* L. in a cadmium-contaminated calcareous soil. *South African Journal of Botany* . 128: 132-140.
- Somayeh Sefidgar Shahkolaie, **Mojtaba Baranimotlagh**, Esmael Dordipour and Farhad Khormali. 2019. Cadmium and lead immobilization in a calcareous contaminated soil using the cost-effective amendments. *Arabian Journal of Geosciences*. 12:733
- Habib Khodaverdiloo, Abbas Samadi , **Mojtaba Barani Motlagh**, Shoja Ghorbani Dashtaki and Fengxiang Han. 2012. Characterization of parameters of sorption isotherm models of cadmium in selected semi-arid region agricultural cambisols and calcisols. *Arabian Journal of Geosciences*. 6:3389–3395. DOI 10.1007/s12517-012-0585-7.
- Hossein Tazikeh, Farhad Khormali, Arash Amini , **Mojtaba Barani Motlagh** , Shamsollah Ayoubi. 2017. Soil-parent material relationship in a mountainous arid area of Kopet Dagh basin, North East Iran. *Catena* 152:252–267.
- Hossein Tazikeh, Farhad Khormali, Arash Amini , **Mojtaba Barani Motlagh** . 2018. Geochemistry of soils derived from selected sedimentary parent rocks in Kopet Dagh, North East Iran. *Journal of Geochemical Exploration*. 194: 52-70.
- Farshad Hemmati, Seid Mahdi Jafari, Mahdi Kashaninejad, **Mojtaba Barani Motlagh**. 2018. Synthesis and characterization of cellulose nanocrystals derived

from walnut shell agricultural residues. International Journal of Biological Macromolecules. doi:10.1016/j.ijbiomac.2018.09.012

ACADEMIC TEACHING EXPERIENCE:

Soil chemistry, Soil Fertility and Fertilizers, General Soil Science, Salt Affected Soils, Advanced Soil Chemistry, Advanced Plant Nutrition, Advanced Soil and Water Pollution, Soil Bioremediation, Soil Quality

LANGUAGES:

Farsi, English.



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